of less than ten wavelengths of the electromagnetic radiation.

11. (Amended) The antenna device as claimed in claim 1, wherein a control device receives a measure of a detected physical property of an operation environment, said operation environment being external to said antenna device and to the communication device having the antenna device installed therein, and controls said switching device, and hence the selective switching of said antenna structure between said plurality of antenna configuration states, in accordance with said measure.

- 24. (Amended) A method for transmitting and/or receiving RF radiation in an antenna device including a switchable antenna structure installable in and connectable to a communication device, the method comprising:
- adapting each of a plurality of antenna configuration states, each antenna configuration state being distinguished by a set of radiation parameters, in the switchable antenna structure for use of the antenna device in the communication device in a respective predefined physical operation environment; and
- selectively switching the switchable antenna structure between said plurality of antenna configuration states.
- 25. (Amended) The method as claimed in claim 24, wherein each of said predefined physical operation environments are defined by objects affecting RF



radiation and located within a distance from the communication device of less than ten wavelengths of RF waves.

- 26. (Amended) The method as claimed in claim 24, wherein said selectively switching is performed from one to another of said plurality of antenna configuration states, said one and another antenna configuration states being adapted for use of the antenna device in said communication device in any two of the following said predefined physical operation environments: a talk position, a free space environment, a waist position, and a pocket position.
- 27. (Amended) The method as claimed in claim 24, further comprising controlling said selectively switching with a received measure indicating a change from a first to a second of said predefined physical operation environments and said switching device to switch said antenna structure from a first to a second of said plurality of antenna configuration states, in accordance with the received measure.
- 29. (Amended) An antenna device for transmitting and receiving radio frequency waves, installable in a radio communication device, and comprising:
- an antenna structure switchable between a plurality of antenna configuration states, each antenna configuration state being distinguished by a set of radiation parameters;

- a switching device which selectively switches said antenna structure between said plurality of antenna configuration states; and

- a control device which receives a delected physical property of an operation environment, said operation environment being external to the antenna device and to the radio communication device having the antenna device installed therein, and which controls said switching device, and the selective switching of said antenna structure between said plurality of antenna configuration states, in accordance with said detected physical property,

wherein a measure of the detected physical property of the operation environment is received from at least one of a sensor, particularly a resistive, capacitive, inductive, optic, temperature, pressure, inclination, orientation, or motion sensor.

- 31. (Amended) An antenna device for transmitting and receiving radio frequency waves, installable in a radio communication device, and comprising:
- an antenna structure switchable between a plurality of antenna configuration states, each antenna configuration state being distinguished by a set of radiation parameters;
- a switching device which selectively switches said antenna structure between said plurality of antenna configuration states; and
 - a control device which receives a detected physical property of an operation

environment, said operation environment being external to the antenna device and to the radio communication device having the antenna device installed therein, and which controls said switching device, and the selective switching of said antenna structure between said plurality of antenna configuration states, in accordance with said detected physical property,

wherein the control device receives a measure of a second detected physical property of the operation environment, and controls said switching device, and hence the selective switching of said antenna structure between said plurality of antenna configuration states, in dependence on said second measure.

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- 33. (Amended) In an antenna device installable in a communication device, and comprising
- an antenna structure switchable between a plurality of antenna configuration states, each of which is distinguished by a set of radiation parameters; and
- a switching device which selectively switches said antenna structure between said plurality of antenna configuration states,
 - a method for transmitting and receiving radio frequency waves comprising:
- receiving a detected physical property of an operation environment, the operation environment being external to the antenna device and to the communication device having the antenna device installed therein; and
 - controlling said switching device, and the selective switching of the antenna

structure between the plurality of antenna configuration states, in dependence on the detected physical property,

wherein a measure of the detected physical property of the operation environment is received from a sensor, the sensor being one of a resistive, capacitive, inductive, optic, temperature, pressure, inclination, orientation or motion sensor.